

1. Enter Project Data.

## Rainwater Harvesting and Use Feasibility Worksheet Municipal Regional Stormwater Permit (MRP) Stormwater Controls for Development Projects

Complete this worksheet for all C.3 Regulated Projects\* for which the project density exceeds the screening density\* provided by municipal staff. Use this worksheet to determine the feasibility of treating the C.3.d amount of runoff\* with rainwater harvesting and use for indoor, non-potable water uses. Where it is infeasible to treat the C.3d amount of runoff with either harvesting and use or infiltration, stormwater may be treated with biotreatment\* measures. See Glossary (Attachment 1) for definitions of terms marked with an asterisk (\*).

Complete this worksheet for the entire project area. If the project includes one or more buildings that each individually has a roof area of 10,000 square feet or more, complete a separate copy of this form for each of these buildings.

	•					
1.1	Project Name:					
1.2	Project Address:					
1.3	Applicant/Agent	Name:				
1.4	Applicant/Agent	Address:				
(For p	orojects with a po	tential non-pota	ble water us	other than toilet flushing, skip to Question 5.1)		
1.5	Project Type:			If residential or mixed use, enter # of dwe	elling units:	
1.6				Enter square footage of non-residential interio	or floor area.:	
1.7	Potential rainwater capture area*:					sq.ft.
1.8	If it is a Special Project*, indicate the percentage of LID treatment* reduction:  (Item 1.8 applies only to entire project evaluations, not individual roof area evaluations.)					percent
1.9	Total potential ra	C	sq.ft.			
	(This is the total	l rain capture ar	rea remaining	after any Special Project LID treatment reduction	n is applied.)	
2. Ca	alculate Area o (For areas withi			If-Retaining Areas, and Areas Contributin  Area only)	ng to Self-Retaining Area	as.
2.1	Enter square footage of any self-treating areas* in the area that is being evaluated:					sq.ft.
2.2	Enter square footage of any self-retaining areas* in the area that is being evaluated:					sq.ft.
2.3	Enter the square footage of areas contributing runoff to self-retaining area*:					sq.ft.
2.4	TOTAL of Items	2.1, 2.2, and 2	.3:		<del>-</del>	_sq.ft.
3. Su	btract credit fo	or self-treating	g/self-retaiı	ing areas from area requiring treatment.		
3.1	Subtract the TO	TAL in Item 2.4	from the pot	ential rainwater capture area in Item 1.9:		sq.ft.
3.2	Convert the rem	naining area req	uired for trea	ment in Item 3.1 from square feet to acres:	0.00	acres
<b>4. De</b> 4.1		g units per acre		ning based on demand obtained rain capture area (Divide the number in	1.5 by	dwelling units/acre
4.2	Non-residential 1.6 by the numb		ea per acre o	adjusted potential rain capture area (Divide the r	number in	Int. non-res. floor area/acre
	use these pre-set demand based on based on the perc	formulas for mixe the dwelling unit centage of the pro for the commercia	ed use projects ts per acre for oject dedicated al portion of th	pectively, for a residential or a non-residential project.  For mixed use projects, evaluate the residential toing residential portion of the project (use a prorated acresidential use). Then evaluate the commercial toiled project (use a prorated acreage, based on the percential to	ilet flushing reage, et flushing	

4.3	Refer to the applicable countywide table in Attachment 2. Identify t impervious acre needed in your Rain Gauge Area to provide the to rainwater harvest feasibility.		dwelling units/acre	
4.4	Refer to the applicable countywide table in Attachment 2. Identify to interior floor area per impervious acre needed in your Rain Gauge ademand required for rainwater harvest feasibility.	int. non- res. floor area/acre		
use is	""Yes" or "No" to indicate whether the following conditions apply. If "infeasible. As soon as you answer "Yes", you can skip to Item 6.1. sible and you must harvest and use the C.3.d amount of stormwater,	If "No" is checked for all items, then rain	water harvestii	
4.5	Is the project's number of dwelling units per acre of adjusted area re LESS than the number identified in Item 4.3?	equiring treatment (listed in Item 4.1)	Yes	☐ No
4.6	Is the project's square footage of non-residential interior floor area per treatment (listed in Item 4.2) LESS than the number identified in Item		Yes	☐ No
5. De	termine feasibility of rainwater harvesting and use based	on factors other than demand.		
5.1	Does the requirement for rainwater harvesting and use at the or federal ordinances or building codes?	e project conflict with local, state,	Yes	☐ No
5.2	Would the technical requirements cause the harvesting system to e or has the applicant documented economic hardship in relation to rexplanation.)		Yes	☐ No
5.3	Do constraints, such as a slope above 10% or lack of available spallocate on the site a cistern of adequate size to harvest and use the an explanation.)		Yes	☐ No
5.4	Are there geotechnical/stability concerns related to the surface (roo be located that make the use of rainwater harvesting infeasible? (I		Yes	☐ No
5.5	Does the location of utilities, a septic system and/or <b>heritage trees</b> the site to the extent that rainwater harvesting is infeasible? (If so,		Yes	☐ No
self-re	: It is assumed that projects with significant amounts of landscaping taining areas) or will evaluate the feasibility of havesting and using roility Report.	•		•
6. R	esults of Feasibility Determination		Infeasible	Feasible
6.1	Based on the results of the feasibility analysis in Item 4.4 and Secti (check one):	on 5, rainwater harvesting/use is		
	FEASIBLE" is indicated for Item 6.1 the amount of stormwater requir	ing treatment must be treated with harv	esting/use, unle	ess it is
with C are pi condi	INFEASIBLE" is checked for Item 6.1, then the applicant may use applicant may use applicant requirements. If Ksat > 1.6 in./hr., and infiltration is uning edicted to infiltrate 80% or more average annual runoff. If Ksat < 1.6 ions allow, and remaining runoff will be discharged to storm drains valid by ione tention area or flow-through planter may be used.	npeded by subsurface conditions, then to 6, maximize infiltration of stormwater by	he bioretention using bioretent	n facilities ion if site
Applic	ant (Print)			
Applic	ant (Sign)	Date		_
-				